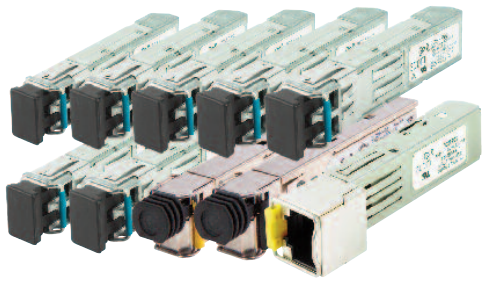
TRANSCEIVERS FOR 3COM DEVICES

Standards-based flexible Ethernet connections for 10 Gigabit, Gigabit and Fast Ethernet fiber and copper links

3Com-Qualified SFP+s

OVERVIEW

3Com® sells industry-standard, hot-swappable transceiver modules that plug into a Fast, Gigabit, or 10 Gigabit Ethernet transceiver slot for linking with fiber- and copper-based networks.



3Com-Qualified SFPs

KEY BENEFITS

3COM OFFERS ONLY HIGHLY QUALIFIED, ENTERPRISE-CLASS TRANSCEIVERS THAT HAVE PASSED THE MOST RIGOUROUS SCREENING.

3Com Corporation is one company with three global brands — 3Com, H3C and TippingPoint. Qualified transceivers for 3Com switches may be branded 3Com or branded H3C. Both are enterprise-ready solutions of the highest quality.

ADD CONNECTIONS AS NEEDED

Mix different media types of transceivers on a single switch; add connections, in the number and type, as needed (within limits of the applicable switch).

3Com-Qualified XFPs

LEVERAGE INTEROPERABLE ARCHITECTURE

Compliant with IEEE standards, 3Com transceivers provide full interoperability when connected to other standards-based products.

ADAPT WITH VARIETY OF FORM FACTORS

3Com transceivers are available in different form factors: SFP+, XFP, XENPAK and SFP. Speeds supported are 10 Gigabit, Gigabit and Fast Ethernet, depending on the selected transceiver.

3Com-Qualified XENPAKs

EASILY SERVICE AND SWAP HARDWARE

Transceivers can be hot-swapped, reducing maintenance and upgrading costs and network downtime. No need to replace entire circuit boards containing several soldered-in modules.

SUPPORTED SWITCHES AND MODULES

				10G XFP								10G XENPAK								10G SFP+			1G SFP												100MB SFP									
				3CXFP92	0231A438	3CXFP94	0231A494	3CXFP96	0231A72X	0231A41G	3CXFP95	3CXENPAK91	3CXENPAK92	0231A323	3CXENPAK94	0231A363	3CXENPAK96	0231A324	0231A08H	3CXENPAK95	0231A0A6	0231A0A7	0231A0A8	3CSFP91	0231A562	3CSFP92	0231A563	0231A11U	0231A11V	02312170	02312172	3CSFP97	02312173	0231A321	3CSFP93	0231A085	3CSFP81	0231A320	3CSFP9-81	0231A564	3CSFP9-82	3CSFP85	3CSFP86	0231A12U	0231A12T	0231A089	0231A090
MODULAR CHASSIS	3Com Switch 8800																																												
		Module	1-Port 10GBASE-X (3C17511) and Advanced (3C17525) XENPAK Modules									Y	Y	Y	Y	Y	Y	Y																											
		Module	2-Port 10GBASE-X Advanced (3C17527) and IPv6 (3C17537) XFP Modules	Y	Y	Y	Y	Y	Y	Y	Y																																		
		Module	4-Port 10GBASE-X (3C17526) and QUAD IPv6 (3C17536) XFP Modules	Y	Y	Y	Y	Y	Y	Y	Y																																		
		Module	24-port 1000BASE-X (3C17514), Advanced (3C17530) and IPv6 (3C17533) SFP Modules																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y										
		Module	48-Port 1000BASE-X IPv6 SFP Module (3C17538)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y										
	3Com Switch 7900E																																												
		Fabric	384 Gbps Fabric w/ 2-port 10GBASE-X (XFP) (0231A933)	Y	Y	Y	Y	Y	Y		Y																																	
		Module	24-port 1000BASE-X (SFP) and 2-port 10GBASE-X (XFP) Module (0231A92N)	Y	Y	Y	Y	Y	Y		Y													Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y									
		Module	12-port 1000BASE-X (SFP) Module (0231A92P)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y									
		Module	2-port 10GBASE-X (XFP) Module (0231A92Q)	Y	Y	Y	Y	Y	Y		Y																																	
		Module	48-port 1000BASE-X (SFP) Module (0231A92X)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y									
		Module	24-port 1000BASE-X (SFP) Module (0231A931)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y									
	3Com Switch 7750																																												
		Module	1-Port 10GBASE-X XENPAK Module (3C16875A)									Y	Y	Y	Y	Y	Y	Y		Y																									
		Module	20-port 1000BASE-X SFP Module (3C16862A)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y									
		Module	12-Port 10/100/1000BASE-T & 4-Port 1000BASE-X SFP Module (3C168916)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y									
		Module	4-Port 10/100/1000BASE-T & 12-Port 1000BASE-X SFP Module (3C168917)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y									
		Module	48-Port 100BASE-FX SFP Module (3C168915)																																			Y	Y				Y	Y	Y	Y	
		Fabric	96 Gbps Fabric (3C16886)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y									
GIGABIT SWITCHES	3Com Switch 5500G																																												
		Switch	Switch 5500G-EI (all models)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y			Y		Y				
		Module	1-Port 10G Module XENPAK (3C17261)									Y	Y	Y	Y	Y	Y	Y		Y																									
		Module	2-Port 10G Module XFP (3C17268)	Y	Y	Y	Y	Y	Y																																		
		Module	8-Port Module SFP (3C17260)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y			Y		Y				
	3Com Switch 4500G and 3Com Switch 4800G																																												
		Switch	Switch 4500G and 4800G (all models but 4800G 24-Port SFP)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
		Switch	Switch 4800G 24-Port SFP (3CRS48G-24S-91)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y*	Y	Y	Y	Y	Y	Y	Y		Y	Y
		Module	1-Port 10-Gigabit Module XFP (3C17768)	Y	Y	Y	Y	Y	Y		Y																																	
		Module	2-Port 10-Gigabit Module XFP (3C17766)	Y	Y	Y	Y	Y	Y		Y																																	
		Module	2-Port Gigabit Ethernet Module SFP (0231A833)																					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y									
		Module	2-Port 10-Gigabit Module SFP+ (0231A98L)																			Y	Y	Y																					
	3Com Switch 4200G																																												
		Switch	Switch 4200G (all models)									Y	Y	Y	Y	Y	Y	Y		Y				Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y		Y	Y	Y			
		Module	1-Port XFP Module (3C17666)	Y	Y	Y	Y	Y	Y																																			
	3Com Baseline	Switch	Baseline Plus Switch 2920 (3CRBSG2093)																					Y		Y						Y			Y										
		Switch	Baseline Plus Switch 2928 (3CRBSG2893)																					Y		Y						Y			Y										
		Switch	Baseline Plus Switch 2952 (3CRBSG5293)																					Y		Y						Y			Y										
		Switch	Baseline Plus Switch 2928 PWR (3CRBSG28PWR93)																					Y		Y						Y			Y										
		Switch	Baseline Plus Switch 2928 HPWR (3CRBSG28HPWR93)																					Y		Y						Y			Y										
	3Com OfficeConnect	Switch	OfficeConnect Managed Gigabit PoE Switch (3CDSG10PWR)																					Y		Y																			
10/100 SWITCHES	3Com 10/100 Switches																																												
	3Com Switch 5500-EI	Switch	Switch 5500-EI (all models but FX)																					Y		Y						Y			Y										
		Switch	Switch 5500-EI FX																					Y		Y						Y			Y	Y					Y	Y	Y	Y	
	3Com Switch 4500	Switch	Switch 4500 (all models)																					Y		Y						Y			Y										
	3Com Switch 4210	Switch	Switch 4210 (all models)																					Y		Y						Y			Y	Y		Y		Y	Y	Y		
	3Com Baseline	Switch	Baseline Plus (FE models)																					Y		Y																			
	3Com OfficeConnect	Switch	OfficeConnect Managed Switch 9 FX (3CR1609-91)																					Y		Y																			
WIRELESS SWITCHES	3Com Wireless LAN Switches																																												
		Switch	Wireless LAN Controller WX2200																					Y		Y						Y			Y										
		Wireless Switch	Wireless Switch WX3010 (3CRUWX301075])																						Y		Y	Y	Y									Y		Y				Y	Y	
		Wireless Switch	Wireless Switch WX3024 (3CRUWX302475)											Y		Y									Y		Y	Y	Y									Y		Y				Y	Y	
		Module	1-Port 10G XFP Module LS5M1XP1PB (0231A39S)		Y		Y																																					

* 3CSFP93 supports 10/100/1000 speeds in the first 16 SFP ports.

SPECIFICATIONS

Transceiver Class	Brand	Number	Cable Type	Wavelength (nm)	Specified	(microns)	Distance	Range	Range	Connector	Note
XFP 10GB											
10GBASE-LR XFP	H3C	0231A438	SMF	1310	N/A	9	10km	-8.2 to -3	-10.3 Min	LC	
10GBASE-LR XFP	3Com	3CXFP92	SMF	1310	N/A	9	10km	-8.2 to 0.5	-14.4 to 0.5	LC	
10GBASE-SR XFP	H3C	0231A494	MMF	850	160(FDDI Grade)	62.5	26m	-5 to -1	-11.1 to +0.5	LC	
					200[OM1]	62.5	33m				
					500[OM2]	50	82m				
					1500[OM3]	50	300m				
10GBASE-SR XFP	3Com	3CXFP94	MMF	850	160(FDDI Grade)	62.5	26m	-5 to -1	-11.1 to +0.5	LC	
					200[OM1]	62.5	33m				
					500[OM2]	50	82m				
					1500[OM3]	50	300m				
10GBASE-ER XFP	3Com	3CXFP96	SMF	1550	N/A	9	40km	-4.7 to 4	-15.8 to -1	LC	
	H3C	0231A72X			N/A			-4.7 to 4	-14.1 to -1	LC	
10GBASE-ZR XFP	H3C	0231A41G	SMF	1550	N/A	9	80km	0 to +4	-24 to -7	LC	
10GBASE-CX4 XFP	3Com	3CXFP95	Infiniband	N/A	N/A	N/A	15m	N/A	N/A	Infiniband 4x	
XENPAK 10GB											
10GBASE-LX4 XENPAK	3Com	3CXENPAK91	MMF	1310	500(FDDI Grade)	62.5	300m	5.5 max	-14.25 to 5.5	SC	MCP Recommended 4512A001
					500[OM1]	62.5	300m				
					500[OM2]	50	300m				
					500[OM3]	50	not specified				No MCP
10GBASE-LR XENPAK	3Com	3CXENPAK92	SMF	1310	N/A	9	10km	-8.2 to 0.4	-14.4 to 0.4	SC	
	H3C	0231A323	SMF	1310	N/A	9	10km	-8.2 to 0.5	-10.3 min	SC	
10GBASE-SR XENPAK	3Com	3CXENPAK94	MMF	850	160(FDDI Grade)	62.5	26m	-7.3 to -1.3	-11.1 to -1.0	SC	
					200[OM1]	62.5	33m			SC	
					500[OM2]	50	82m			SC	
					1500[OM3]	50	300m			SC	
10GBASE-SR XENPAK	H3C	0231A363	MMF	850	160(FDDI Grade)	62.5	26m	-7.3 to -1.3	-11.1 to -1.0	SC	
					200[OM1]	62.5	33m			SC	
					500[OM2]	50	82m			SC	
					1500[OM3]	50	300m			SC	
10GBASE-ER XENPAK	3Com	3CXENPAK96	SMF	1550	N/A	9	40km	-4.7 to 4	-15.8 to -1	SC	
	H3C	0231A324	SMF	1550	N/A	9	40km	-4.7 to 4	-11.3 min	SC	
10GBASE-CX4 XENPAK	3Com	3CXENPAK95	Infiniband	N/A	N/A	N/A	15m	N/A	N/A	Infiniband 4x	
SFP+ 10GB											
10GBase-SX SFP+ SR	H3C	0231A0A6	MMF	850	160(FDDI Grade)	62.5	26m	-5 to 1	-11.1 to 0.5	LC	
					200[OM1]	62.5	33m				
					500[OM2]	50	82m				
					1500[OM3]	50	300m				
10GBase-LX SFP+ LRM	H3C	0231A0A7	MMF	1310	500(FDDI Grade)	62.5	220m	-6.5 to 0.5	<1.5	LC	MCP Recommended 4512A000
					500[OM1]	62.5	220m				
					500[OM2]	50	220m				
					500[OM3]	50	220m				No MCP
10GBase-LX SFP+ LR	H3C	0231A0A8	SMF	1310	N/A	9	10km	-8.2 to 0.5	-14.2 to 0.5	LC	
SFP 1GB											
1000BASE-SX SFP	3Com	3CSFP91	MMF	850	160(FDDI Grade)	62.5	220	-9.5 to 0	-17 to 0	LC	
					200[OM1]	62.5	275				
					500[OM2]	50	550				
					1500[OM3]	50	Not Specified				
1000BASE-SX SFP	H3C	0231A562	MMF	850	160(FDDI Grade)	62.5	220	-9.5 to 2	-17 to -3	LC	
					200[OM1]	62.5	275				
					500[OM2]	50	550				
					1500[OM3]	50	Not Specified				
1000BASE-LX SFP	3Com	3CSFP92	MMF	1300	500(FDDI Grade)	62.5	550m	-9.5 to -3	-20 to -3	LC	MCP Recommended 4512A000
					500[OM1]	62.5	550m				
					500[OM2]	50	550m				
					500[OM3]	50	Not Specified				No MCP
			SMF		N/A	9	10km				No MCP
1000BASE-LX-SFP	H3C	0231A563	MMF	1300	500(FDDI Grade)	62.5	550m	-9.5 to -3	-20 to -3	LC	MCP Recommended 4512A000
					500[OM1]	62.5	550m				
					500[OM2]	50	550m				
					500[OM3]	50	Not Specified				No MCP
			SMF		N/A	9	10km				No MCP
1000BASE-LX BX10-U (BIDI) SFP	H3C	0231A11U	SMF	TX1310/RX1490	N/A	9	10km	-9 to -3	-18.7 to -3	LC	
1000BASE-LX BX10-D (BIDI) SFP	H3C	0231A11V	SMF	TX1490/RX1310	N/A	9	10km	-9 to -3	-18.7 to -3	LC	
1000BASE-LH40 SFP (1310nm)	H3C	02312170	SMF	1310	N/A	9	40km	-2 to 5	-22 to -3	LC	
1000BASE-LH40 SFP (1550nm)	H3C	02312172	SMF	1550	N/A	9	40km	-4 to 1	-21 to -3	LC	
1000BASE-LH70 SFP	3Com	3CSFP97	SMF	1550	N/A	9	70km	0 to 3	-24 to -3	LC	
	H3C	02312173	SMF	1550	N/A	9	70km	-4 to 2	-22 to -3	LC	
1000BASE-LH100 SFP	H3C	0231A321	SMF	1550	N/A	9	100km	-5 to 0	-20 min	LC	
1000BASE-T SFP	3Com	3CSFP93	CAT5	N/A	N/A	N/A	100m	N/A	N/A	RJ45	
	H3C	0231A085	CAT5	N/A	N/A	N/A	100m	N/A	N/A	RJ45	Supports 100Mb also on 7500E
1000BASE-LH70 CWDM SFP 1470nm	H3C	0231A453	SMF	1470	N/A	9	70km	-5 to 0	-23 min	LC	
1000BASE-LH70 CWDM SFP 1490nm	H3C	0231A454	SMF	1490	N/A	9	70km	-5 to 0	-23 min	LC	
1000BASE-LH70 CWDM SFP 1510nm	H3C	0231A455	SMF	1510	N/A	9	70km	-5 to 0	-23 min	LC	
1000BASE-LH70 CWDM SFP 1530nm	H3C	0231A456	SMF	1530	N/A	9	70km	-5 to 0	-23 min	LC	
1000BASE-LH70 CWDM SFP 1550nm	H3C	0231A449	SMF	1550	N/A	9	70km	-5 to 0	-23 min	LC	
1000BASE-LH70 CWDM SFP 1570nm	H3C	0231A450	SMF	1570	N/A	9	70km	-5 to 0	-23 min	LC	
1000BASE-LH70 CWDM SFP 1590nm	H3C	0231A451	SMF	1590	N/A	9	70km	-5 to 0	-23 min	LC	
1000BASE-LH70 CWDM SFP 1610nm	H3C	0231A452	SMF	1610	N/A	9	70km	-5 to 0	-23 min	LC	
SFP 100MB					N/A						
100BASE-FX SFP	3Com	3CSFP81	MMF	1300	N/A	62.5	2km	-19 to -14	-31 min	LC	
	H3C	0231A320	MMF	1310	N/A	50	2km	-19 to -14	-30 to -14	LC	
100BASE-FX SFP (Dual Mode)	3Com	3CSFP9-81	MMF	1310	N/A	50	2km	-20 to -14	-31 to -8	LC	Used in a Gigabit Port to provide 100Mb link
100BASE-LX SFP	H3C	0231A564	SMF	1310	N/A	9	15km	-15 to -8	-28 to -7	LC	
100BASE-LX SFP (Dual Mode)	3Com	3CSFP9-82	SMF	1310	N/A	9	10km	-15 to -8	-28 to -8	LC	Used in a Gigabit Port to provide 100Mb link
100BASE-BX10-D SFP	3Com	3CSFP85	SMF	TX1550/RX1310	N/A	9	15km	-14 to -8 / -31	-31 to -3	LC	
100BASE-BX10-U SFP	3Com	3CSFP86	SMF	TX1310/RX1550	N/A	9	15km	-14 to -8 / -31	-31 to -3	LC	
100BASE-BX10-D SFP	H3C	0231A12U	SMF	TX1550/RX1310	N/A	9	15km	-15 to -8	-31 to -3	LC	
100BASE-BX10-U SFP	H3C	0231A12T	SMF	TX1310/RX1550	N/A	9	15km	-15 to -8	-31 to -3	LC	
100BASE-LH40 SFP	H3C	0231A089	SMF	1310	N/A	9	40km	-5 to 0	-34 to -9	LC	
100BASE-LH80 SFP	H3C	0231A090	SMF	1550	N/A	9	80km	-5 to 0	-34 to -10	LC	

SERVICE AND SUPPORT

3Com Global Services offers the resources and talents of a major corporation plus more than two decades of experience in resolving network challenges and delivering business benefits to enterprises around the world.

Global support with a personalized, local focus in the local language helps drive productivity and minimize expenses. Because 3Com understands both the technology and the business, we're the partner you need to remain strong and competitive.

WARRANTY

One Year Hardware Repair/Replace Warranty.

Refer to www.3com.com/warranty for details

NOTE ABOUT MCP CABLES, APPLICABLE TO H3C AND 3COM PRODUCTS:

Mode Conditioning Patch Cable LC Connectors H3C SKU: 4512A000

For 1000Base-LX, 10GBase-LX4, 10GBase-LRM in the 1300nm window over MMF w/LC Connectors. Should not be used over OM3 cable.

Mode Conditioning Patch Cable SC Connectors H3C SKU: 4512A001

For 1000Base-LX, 10GBase-LX4, 10GBase-LRM in the 1300nm window over MMF w/SC Connectors. Should not be used over OM3 cable.

ORDERING INFORMATION

TRANSCEIVER CLASS	BRAND	SKU
XFP 10GB		
10GBASE-LR XFP	H3C	0231A438
10GBASE-LR XFP	3Com	3CXFP92
10GBASE-SR XFP	H3C	0231A494
10GBASE-SR XFP	3Com	3CXFP94
10GBASE-ER XFP	3Com	3CXFP96
	H3C	0231A72X
10GBASE-ZR XFP	H3C	0231A41G
10GBASE-CX4 XFP	3Com	3CXFP95
XENPAK 10GB		
10GBASE-LX4 XENPAK	3Com	3CXENPAK91
10GBASE-LR XENPAK	3Com	3CXENPAK92
	H3C	0231A323
10GBASE-SR XENPAK	3Com	3CXENPAK94
10GBASE-SR XENPAK	H3C	0231A363
10GBASE-ER XENPAK	3Com	3CXENPAK96
	H3C	0231A324
10GBASE-CX4 XENPAK	3Com	3CXENPAK95
SFP+ 10GB		
10GBase-SX SFP+ SR	H3C	0231A0A6
10GBase-LX SFP+ LRM	H3C	0231A0A7
10GBase-LX SFP+ LR	H3C	0231A0A8
SFP 1GB		
1000BASE-SX SFP	3Com	3CSFP91
1000BASE-SX SFP	H3C	0231A562
1000BASE-LX SFP	3Com	3CSFP92
1000BASE-LX-SFP	H3C	0231A563
1000BASE-LX BX10-U (BIDI) SFP	H3C	0231A11U
1000BASE-LX BX10-D (BIDI) SFP	H3C	0231A11V
1000BASE-LH40 SFP (1310nm)	H3C	02312170
1000BASE-LH40 SFP (1550nm)	H3C	02312172
1000BASE-LH70 SFP	3Com	3CSFP97
	H3C	02312173
1000BASE-LH100 SFP	H3C	0231A321
1000BASE-T SFP	3Com	3CSFP93
	H3C	0231A085
1000BASE-LH70 CWDM SFP 1470nm	H3C	0231A453
1000BASE-LH70 CWDM SFP 1490nm	H3C	0231A454
1000BASE-LH70 CWDM SFP 1510nm	H3C	0231A455
1000BASE-LH70 CWDM SFP 1530nm	H3C	0231A456
1000BASE-LH70 CWDM SFP 1550nm	H3C	0231A449
1000BASE-LH70 CWDM SFP 1570nm	H3C	0231A450
1000BASE-LH70 CWDM SFP 1590nm	H3C	0231A451
1000BASE-LH70 CWDM SFP 1610nm	H3C	0231A452

TRANSCEIVER CLASS	BRAND	SKU
SFP 100MB		
100BASE-FX SFP	3Com	3CSFP81
	H3C	0231A320
100BASE-FX SFP (Dual Mode)	3Com	3CSFP9-81
100BASE-LX SFP	H3C	0231A564
100BASE-LX SFP (Dual Mode)	3Com	3CSFP9-82
100BASE-BX10-D SFP	3Com	3CSFP85
100BASE-BX10-U SFP	3Com	3CSFP86
100BASE-BX10-D SFP	H3C	0231A12U
100BASE-BX10-U SFP	H3C	0231A12T
100BASE-LH40 SFP	H3C	0231A089
100BASE-LH80 SFP	H3C	0231A090
MCP CABLES		
Mode Conditioning Patch Cable LC Connectors	H3C	4512A000
Mode Conditioning Patch Cable SC Connectors	H3C	4512A001

3COM GLOBAL SERVICES

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